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(54) Title: **SYSTEM AND METHOD FOR DETERMINATION OF FETAL MOVEMENT**

(57) **Abstract:** According to one aspect, the invention concerns a method for measuring motion of a fetus or of a region of a fetus within an uterus in a time sequence of images, each image including said fetus or region thereof and at least a portion of the uterus, the uterus comprising a lumen, the method comprising, for one or more images in the sequence (a) determining a first parameter indicative of movement of the fetus or region thereof; (b) determining a second parameter indicative of movement of at least a portion of the uterus; and (c). According to another aspect, the invention concerns for measuring motion of a fetus or of a region of a fetus within an uterus, the system comprising (a) an imaging device for obtaining a time sequence of images, each image including said fetus or region thereof and at least a portion of the uterus, the uterus comprising a lumen; (b) a processing utility for processing said time sequence of images so as to obtain at least one first parameter indicative of movement of the fetus or region thereof and at least one second parameter indicative of movement of at least a portion of the uterus; and (c) a display utility for displaying said at least one first and said at least one second parameter. According to yet other aspects, the invention concerns a computer program being readable by a computer for executing the method of the invention and a machine-readable memory tangibly embodying a program of instructions executable by the machine for executing the method of the invention.

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IL 03/01069

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61B8/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 111 823 A (COHEN NATHAN) 12 May 1992 (1992-05-12) cited in the application column 18, line 50 -column 20, line 2; claim 15	1,19
A	US 2002/072672 A1 (ROUNDHILL DAVID N ET AL) 13 June 2002 (2002-06-13) abstract	1,19
P, A	WO 03 003899 A (ULTRAMOVE LTD ;SHARONY REUVEN (IL)) 16 January 2003 (2003-01-16) cited in the application the whole document	1,19

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *&* document member of the same patent family

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Information on patent family members

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